

3-2 Solving Addition and Subtraction Equations

11/7/12

Objective

SWBAT solve addition and subtraction equations

Ex. 1

$$x + 5 = 8$$

$$\begin{array}{r|l} x + 5 & = 8 \\ -5 & -5 \\ \hline x + 0 & = 3 \\ \hline \boxed{x = 3} & \end{array}$$

- ① draw line down the equal sign
- ② We want to get the variable by itself
- by doing the opposite math operation that on the same side

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- ① draw line down the equal sign
- ② We want to get the variable by itself
by doing the opposite math operation that is on the same side as your variable (both equation)
- ③ Solve for variable

Ex 2

$$\begin{array}{r|l} x + 6 & = 4 \\ -6 & -6 \\ \hline x & = -2 \end{array}$$

③

Ex 3

$$\begin{array}{r|l} y - 3 & = 1 \\ +3 & +3 \\ \hline y & = 7 \end{array}$$

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Ex. 2

$$\begin{array}{r} x + 6 = 4 \\ -6 \quad -6 \\ \hline x = -2 \end{array}$$

Check your solution

$$\begin{array}{r} x + 6 = 4 \\ -2 + 6 = 4 \\ \hline 4 = 4 \end{array}$$

Ex. 3

$$\begin{array}{r} y - 3 = 4 \\ +3 \quad +3 \\ \hline y = 7 \end{array}$$

Check your solution

$$\begin{array}{r} y - 3 = 4 \\ 7 - 3 = 4 \\ \hline 4 = 4 \end{array}$$

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Ex. 4

a) $x + 3 = 1$

b) $g - 8 = -9$

c) $-3 = a + 4$

a) $x + 3 = 1$

$$\begin{array}{r|l} -3 & -3 \\ \hline \end{array}$$

$$x = -2$$

$$-2 + 3 = 1$$

$$1 = 1 \checkmark$$

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Ex. 4

a) $x + 3 = 1$

b) $g - 8 = -9$

c) $-3 = a + 4$

b) $g - 8 = -9$

$g - 8 + 8 = -9 + 8$

$g = -1$

$-1 - 8 = -9$

$-1 - 8 = -9$

$-9 = -9$

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Ex. 4
a) $x+3=1$

b) $g-8=-9$

c) $-3=a+4$

c) $-3 = a+4$
 -4

$-7 = a$

$-3 \stackrel{?}{=} -7+4$

$-3 = -3 \checkmark$

pg. 139
#15

9-20,
ONLY check
solution for
the ODD's

21 and 23

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